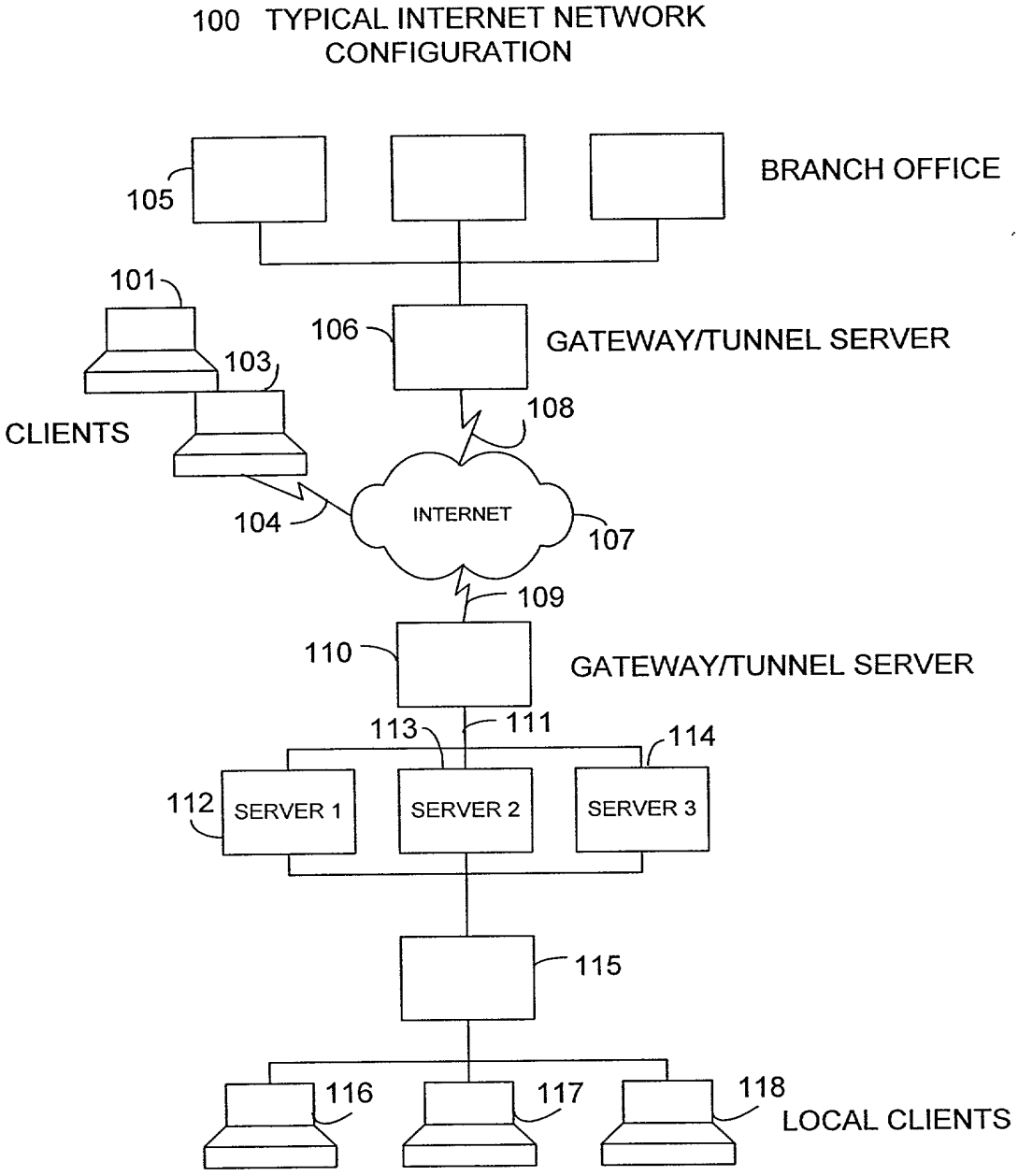
100 TYPICAL INTERNET NETWORK CONFIGURATION
BRANCH OFFICE
105
101
106
GATEWAY/TUNNEL SERVER
103
108
CLIENTS
INTERNET
104
107
109
110
GATEWAY/TUNNEL SERVER
113
111
114
112
SERVER 1
SERVER 2
SERVER 3
115
116
117
118
LOCAL CLIENTS

FIG. 1

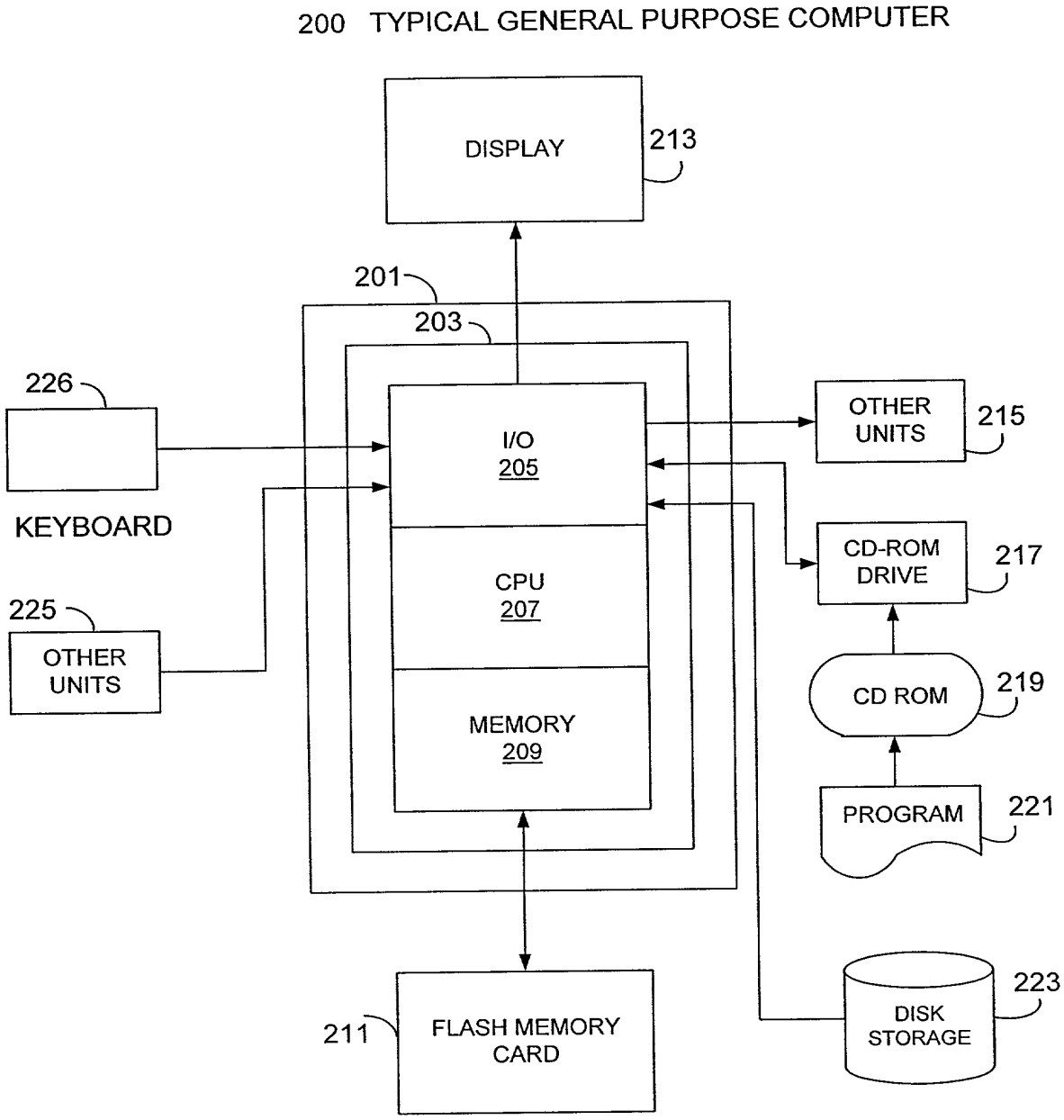
200 TYPICAL GENERAL PURPOSE COMPUTER
DISPLAY
213
201
203
226
KEYBOARD
I/O
205
CPU
207
MEMORY
209
OTHER
UNITS
215
CD-ROM
DRIVE
217
225
OTHER
UNITS
CD ROM
219
PROGRAM
221
211
FLASH MEMORY
CARD
223
DISK
STORAGE

FIG. 2

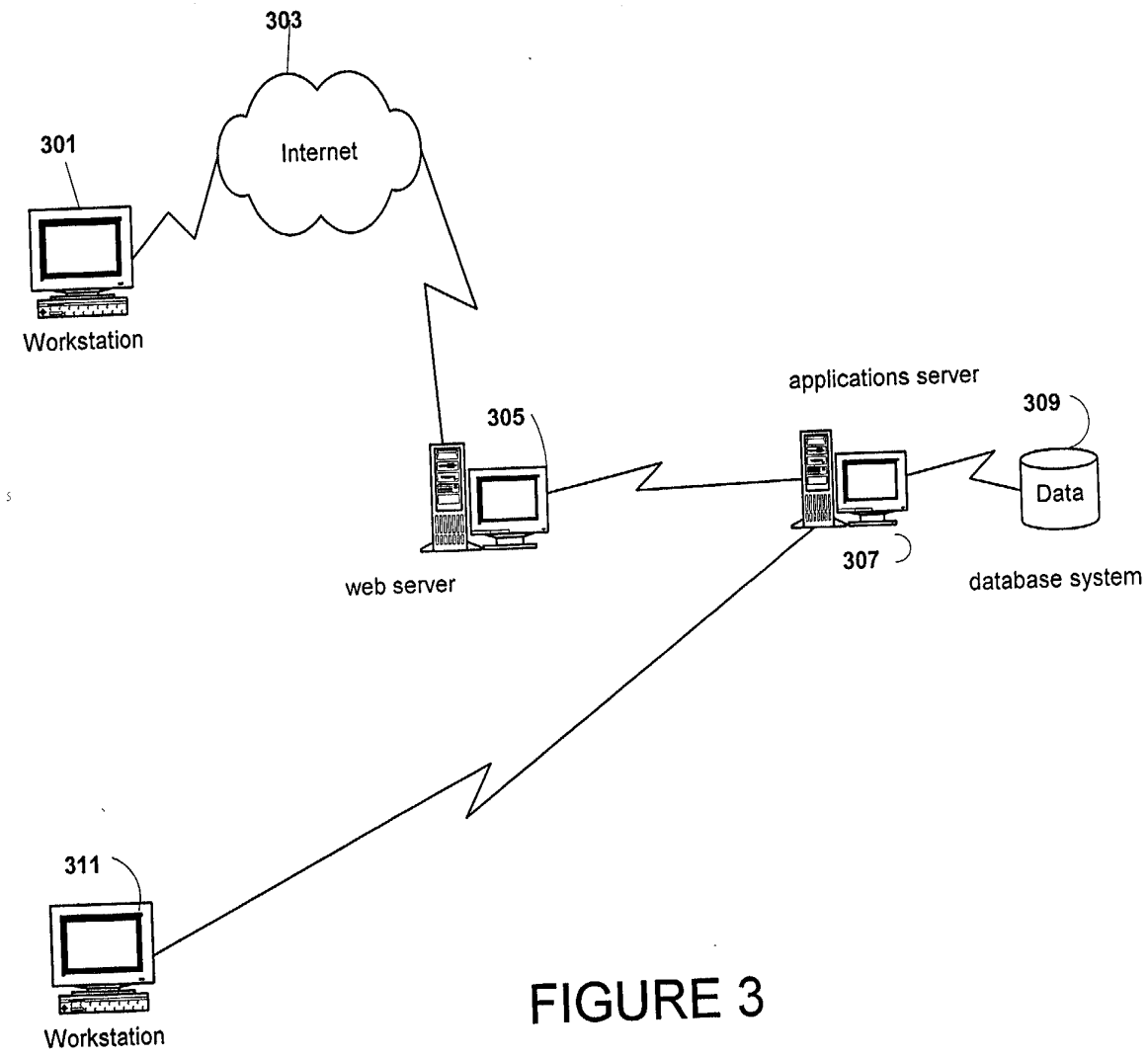
303
Internet
301
Workstation
305
web server
applications server
309
Data
307
database system
311
Workstation
dedicated client

FIGURE 3

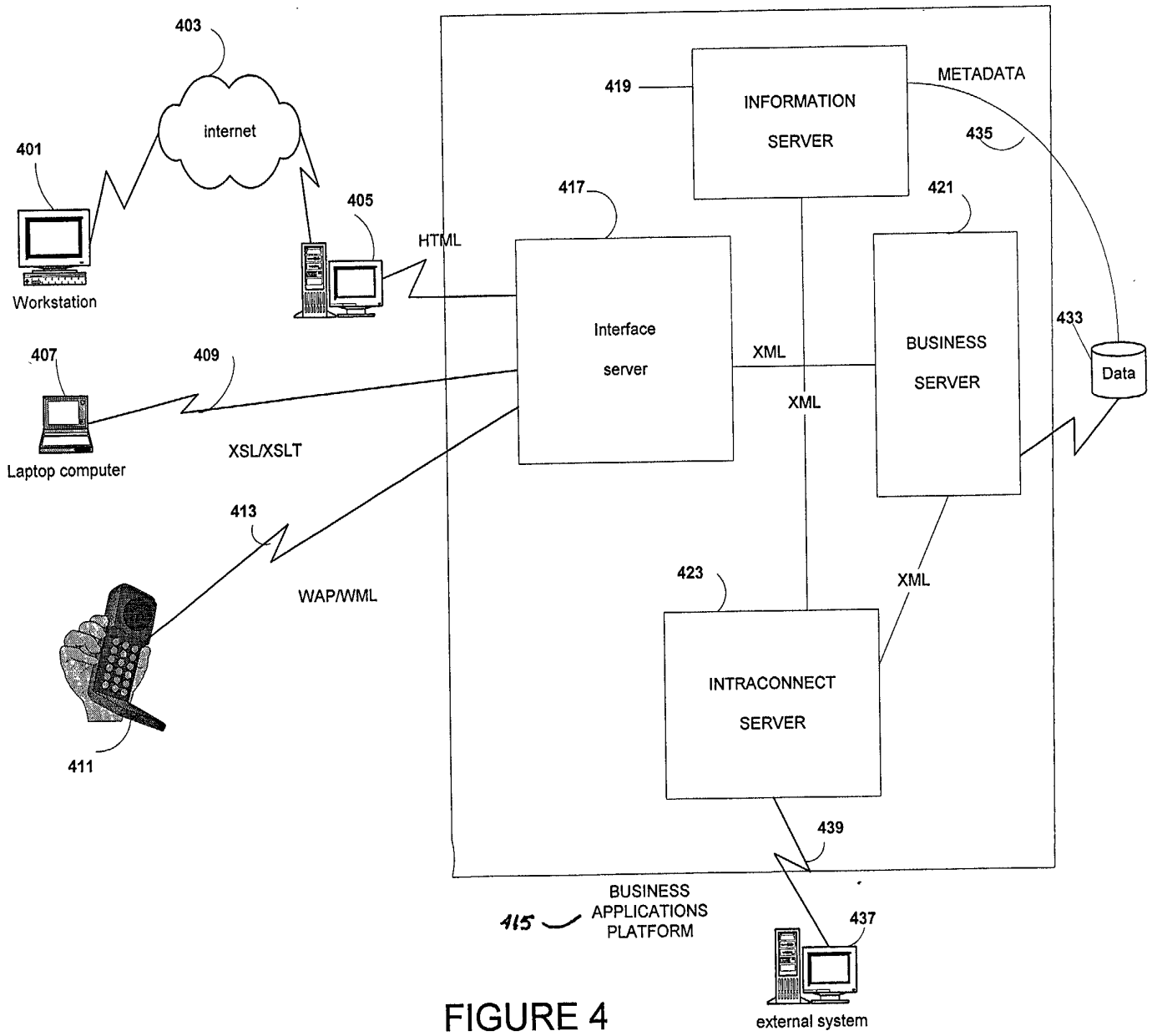
403
internet
401
Workstation
405
HTML
419
INFORMATION
SERVER
METADATA
435
417
421
Interface
server
XML
BUSINESS
SERVER
433
Data
XML
407
409
Laptop computer
XSL/XSLT
413
WAP/WML
411
423
XML
INTRACONNECT
SERVER
439
BUSINESS
APPLICATIONS
PLATFORM
415
437
external system

FIGURE 4

Oracle Ex. 1005, p. 5

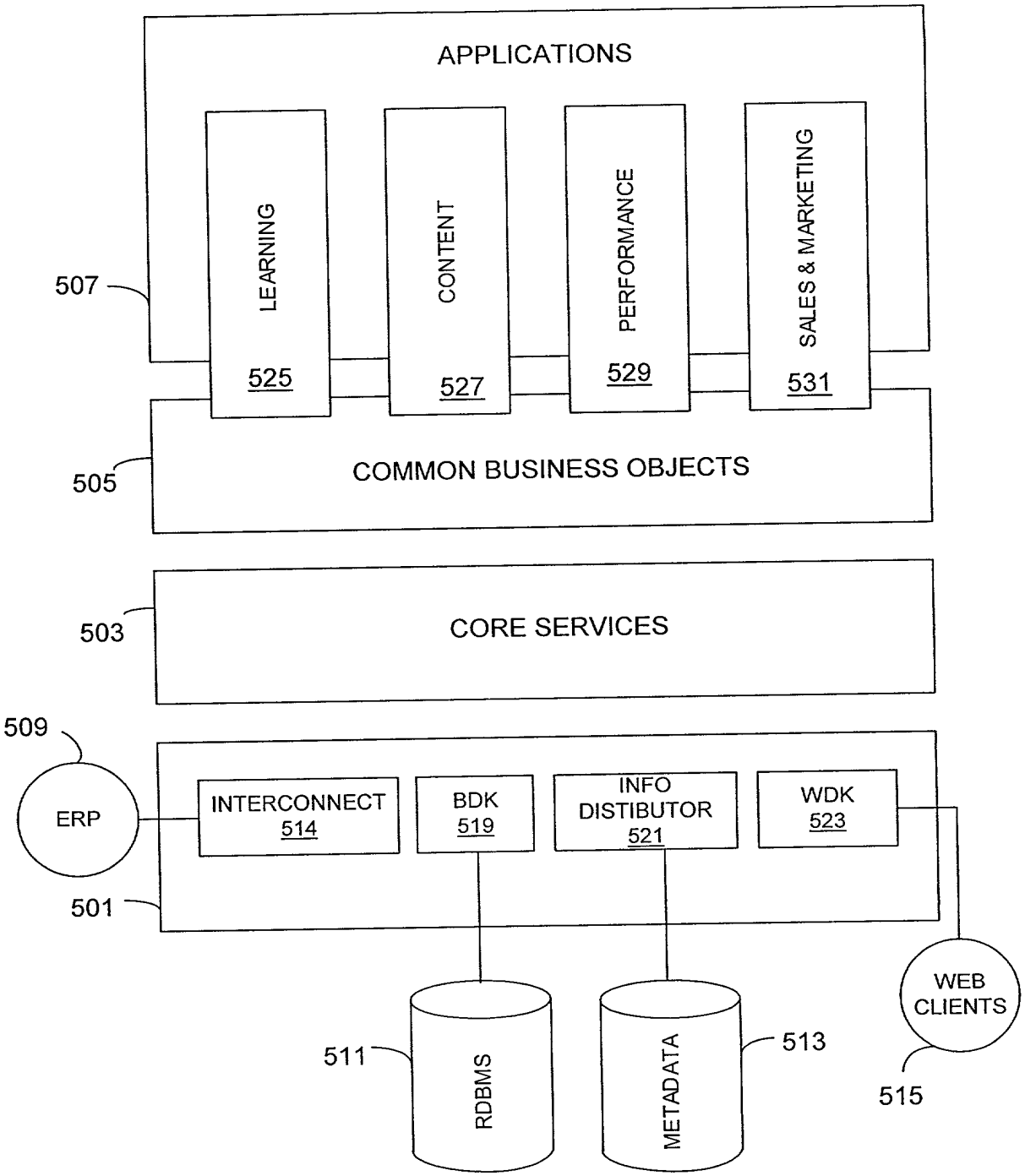

FIG. 5

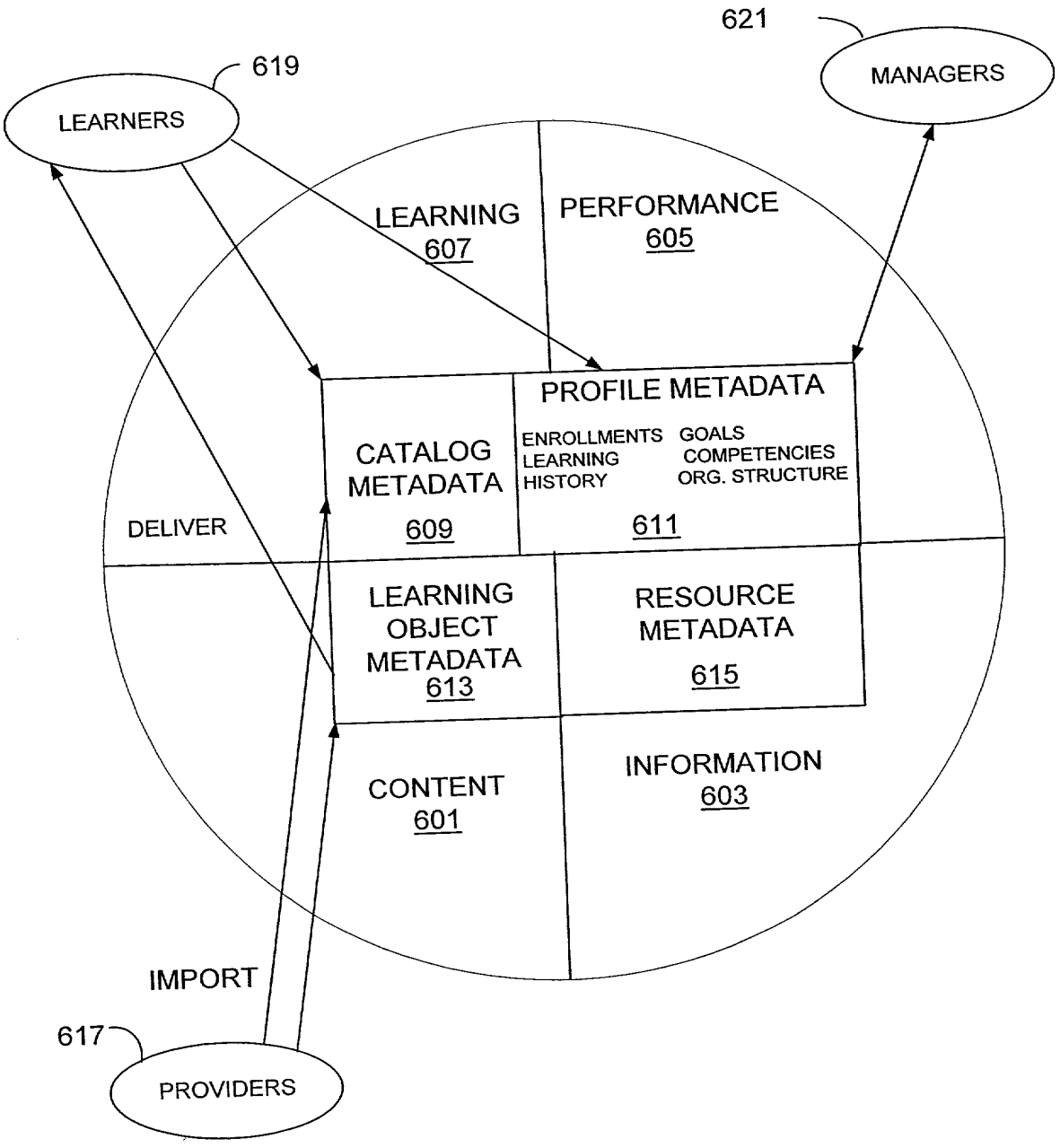

FIG. 6

US 7,599,861 B2

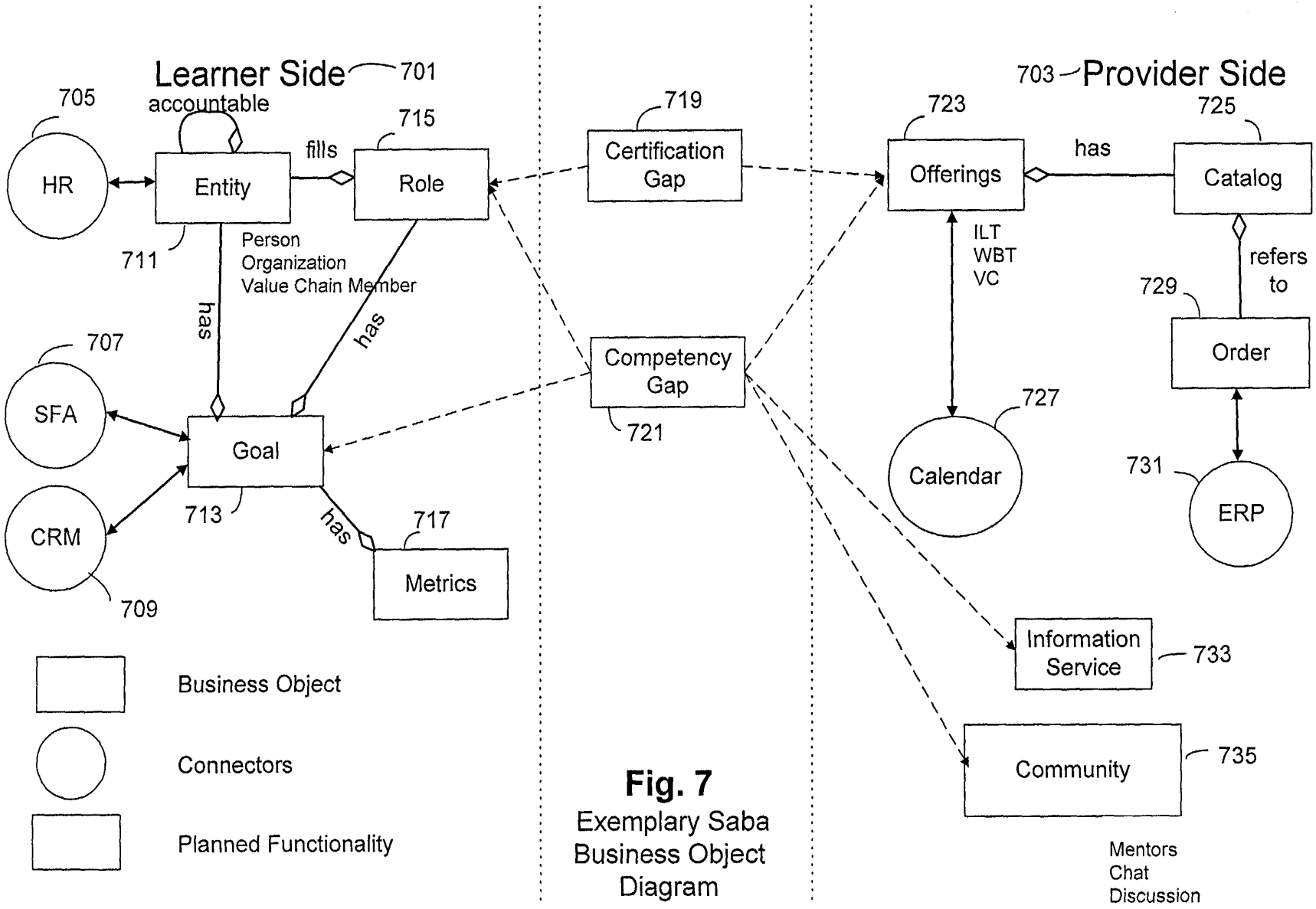

Fig. 7
Exemplary Saba Business Object Diagram

09760666 - 060302

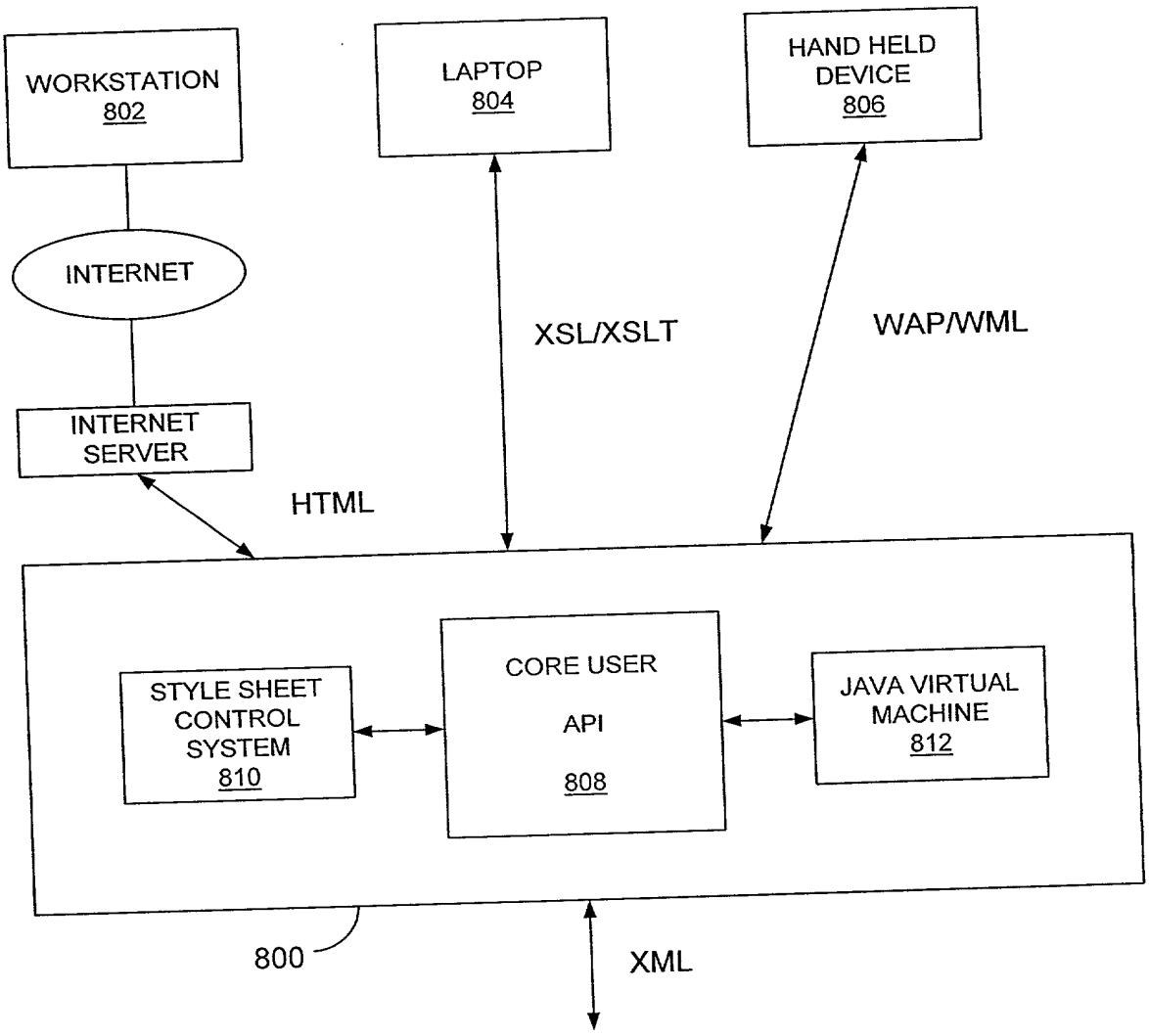

FIG. 8A

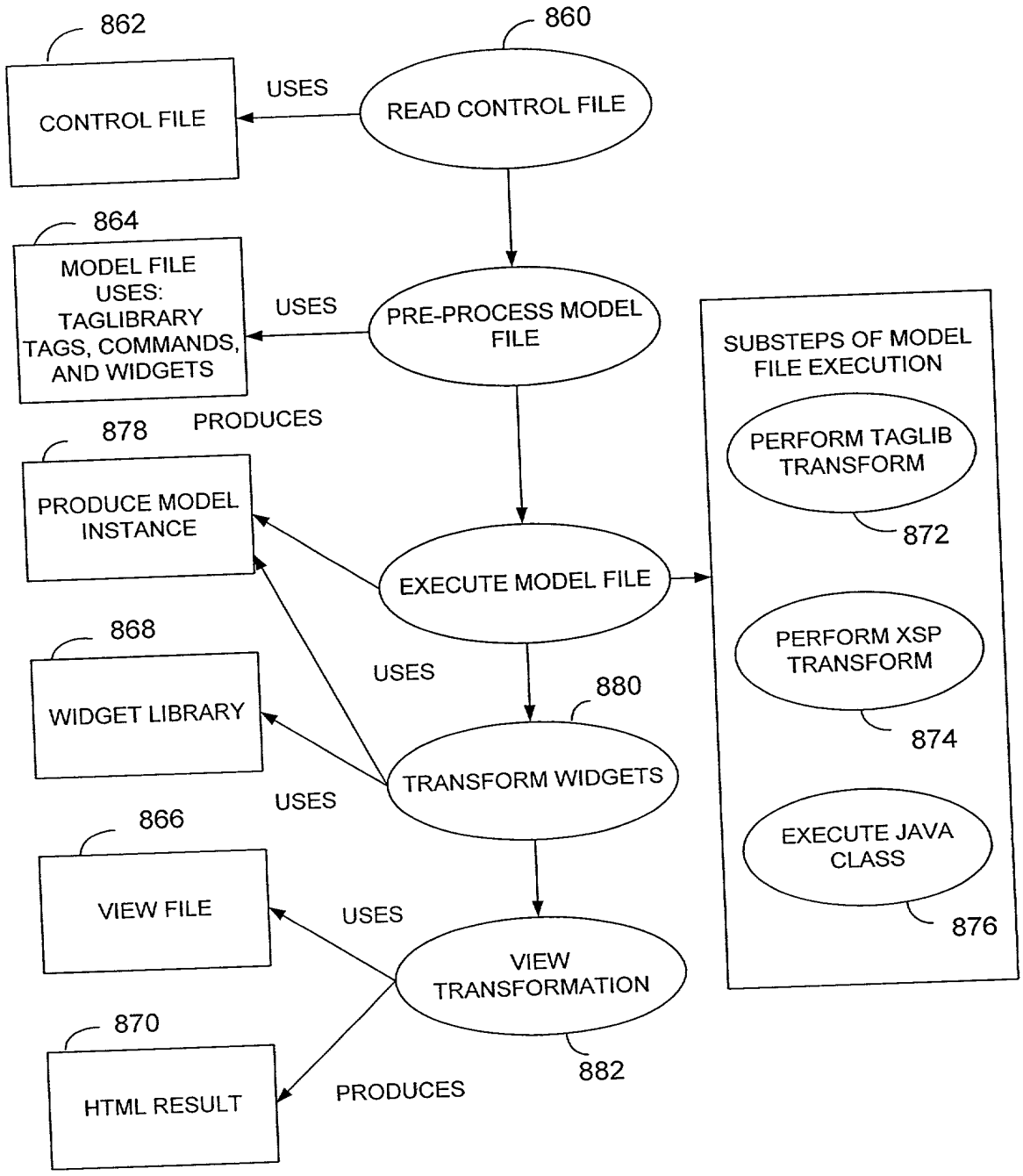
862
CONTROL FILE
USES
860
READ CONTROL FILE
864
MODEL FILE USES: TAGLIBRARY TAGS, COMMANDS, AND WIDGETS
USES
PRE-PROCESS MODEL FILE
SUBSTEPS OF MODEL FILE EXECUTION
PERFORM TAGLIB TRANSFORM
872
PERFORM XSP TRANSFORM
874
EXECUTE JAVA CLASS
876
PRODUCES
878
PRODUCE MODEL INSTANCE
EXECUTE MODEL FILE
868
WIDGET LIBRARY
USES
880
TRANSFORM WIDGETS
USES
866
VIEW FILE
USES
VIEW TRANSFORMATION
882
870
HTML RESULT
PRODUCES

FIG. 8B

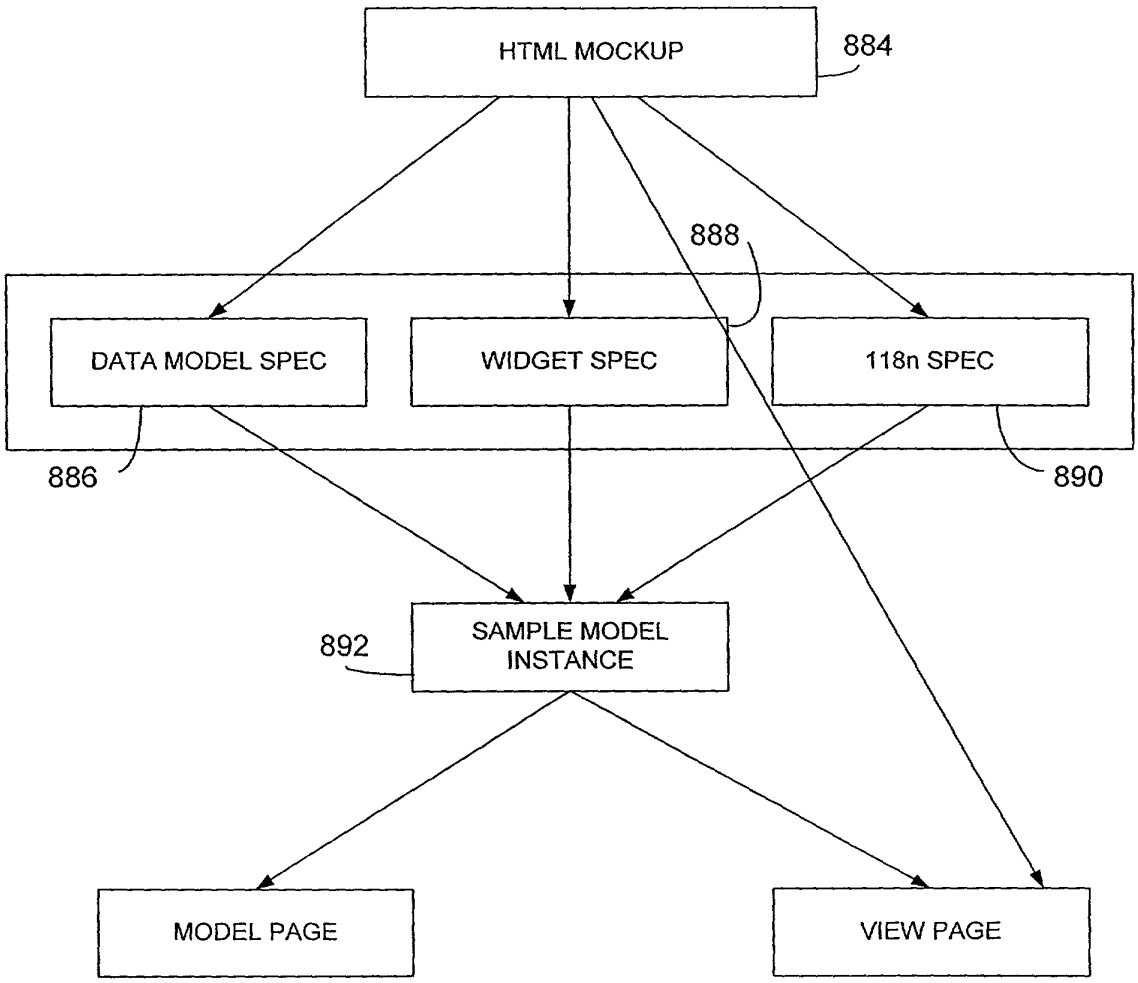
HTML MOCKUP
884
888
DATA MODEL SPEC
WIDGET SPEC
118n SPEC
886
890
892
SAMPLE MODEL INSTANCE
MODEL PAGE
VIEW PAGE

FIG. 8C

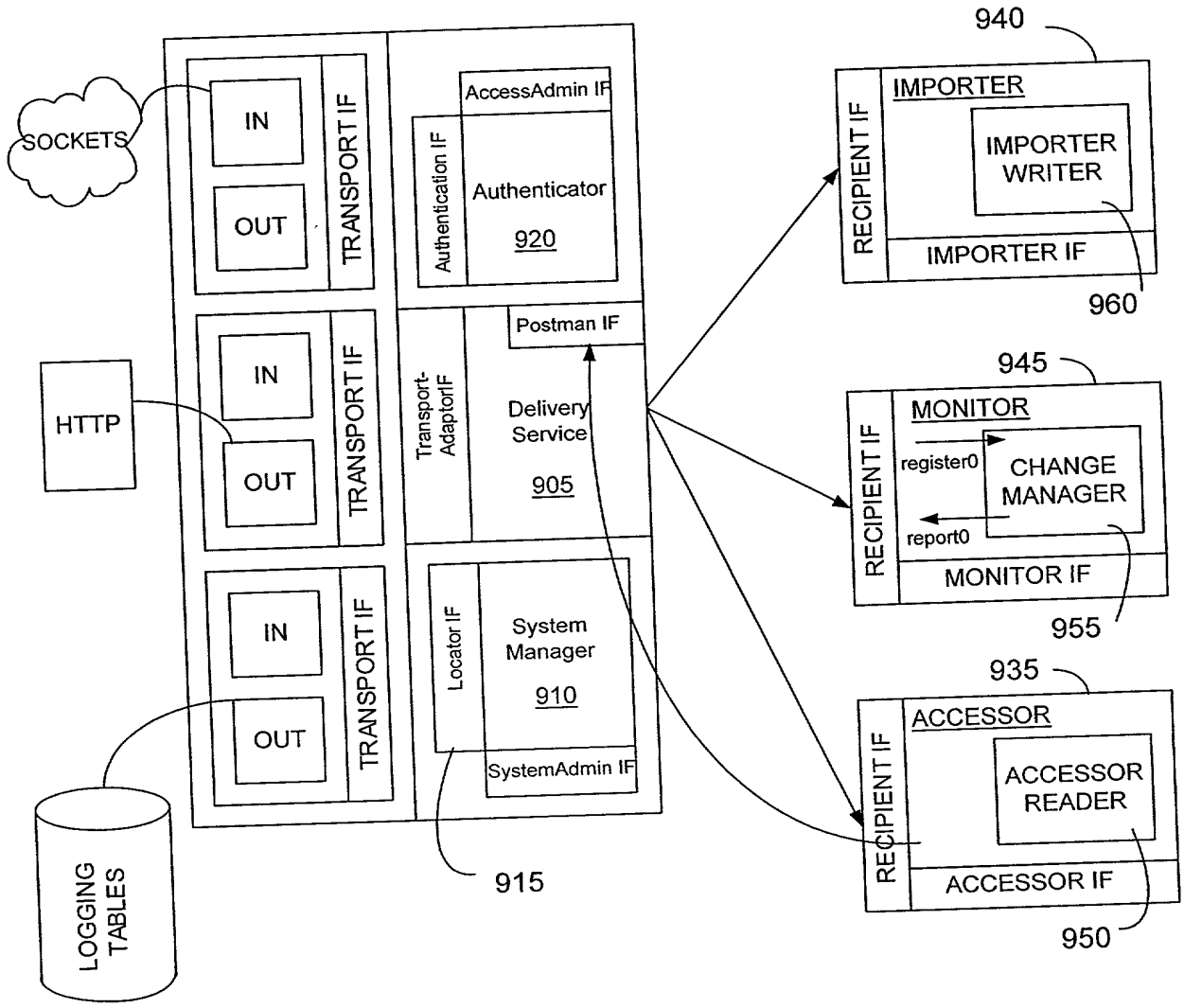
SOCKETS
HTTP
LOGGING TABLES
IN
OUT
TRANSPORT IF
IN
OUT
TRANSPORT IF
IN
OUT
TRANSPORT IF
AccessAdmin IF
Authentication IF
Authenticator
920
Postman IF
Transport-AdaptorIF
Delivery Service
905
Locator IF
System Manager
910
SystemAdmin IF
915
940
IMPORTER
IMPORTER WRITER
RECIPIENT IF
IMPORTER IF
960
945
MONITOR
register0
CHANGE MANAGER
report0
RECIPIENT IF
MONITOR IF
955
935
ACCESSOR
ACCESSOR READER
RECIPIENT IF
ACCESSOR IF
950

FIG. 9

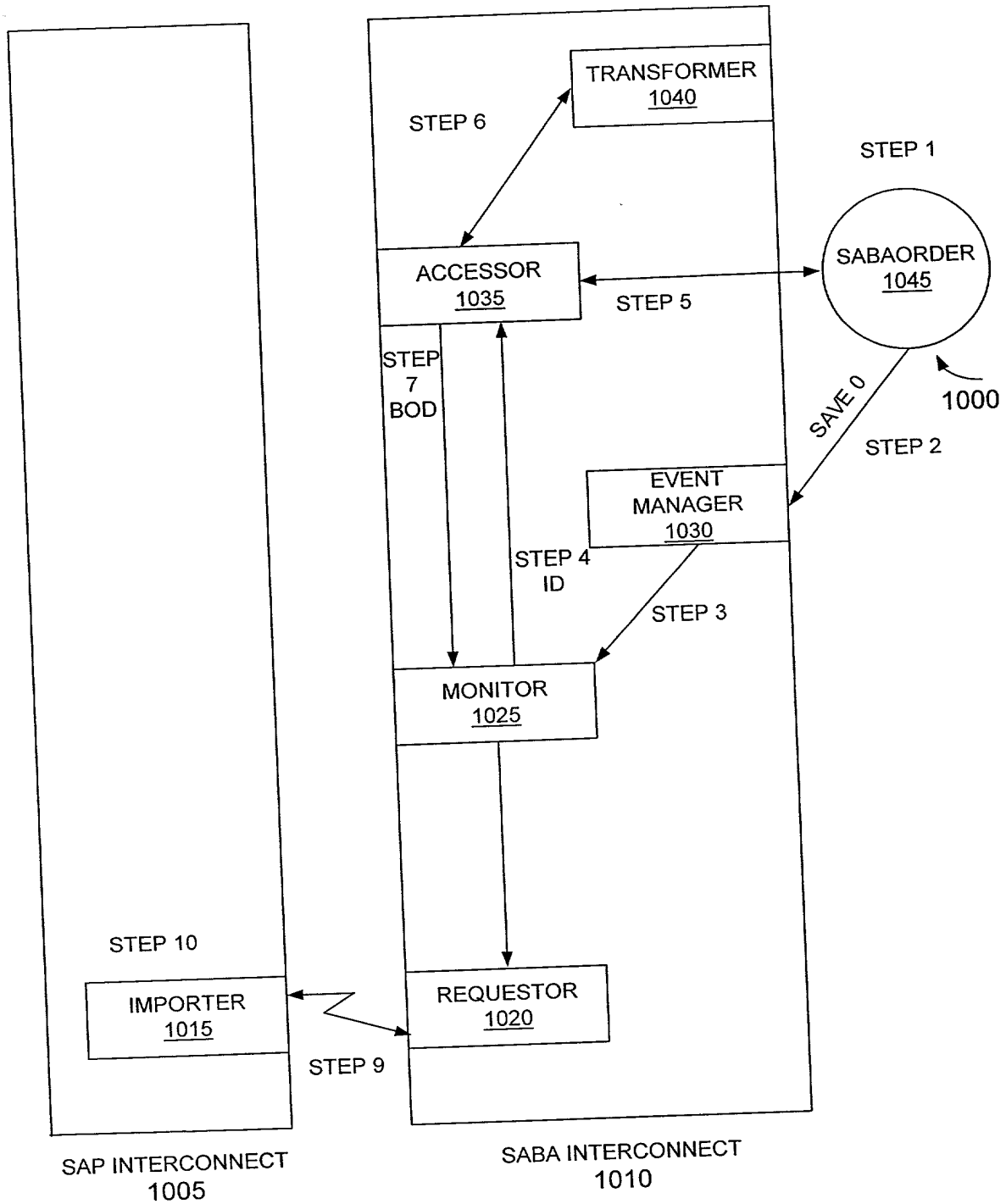
TRANSFORMER
1040
STEP 6
STEP 1
SABAORDER
1045
ACCESSOR
1035
STEP 5
STEP
7
BOD
SAVE 0
1000
STEP 2
EVENT
MANAGER
1030
STEP 4
ID
STEP 3
MONITOR
1025
STEP 10
IMPORTER
1015
REQUESTOR
1020
STEP 9
SAP INTERCONNECT
1005
SABA INTERCONNECT
1010

FIG. 10

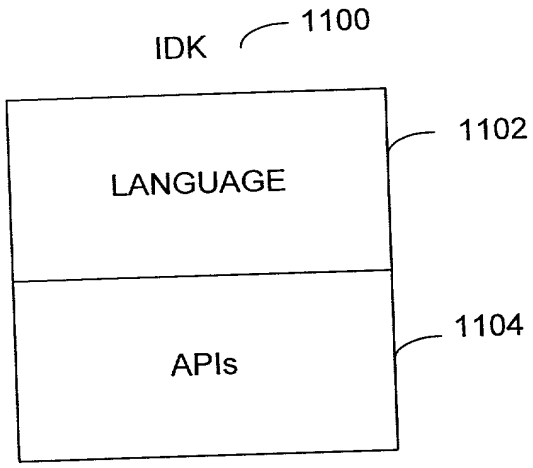
IDK
1100
LANGUAGE
1102
APIs
1104

FIG. 11

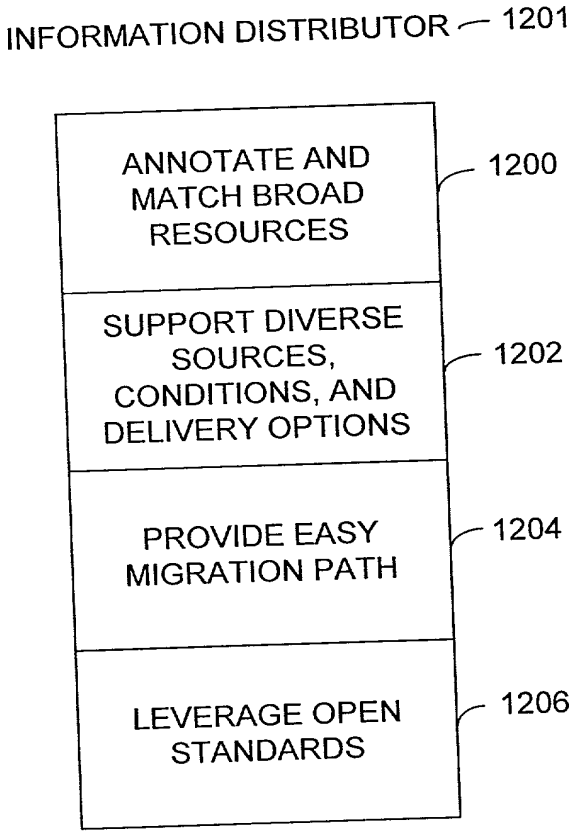
INFORMATION DISTRIBUTOR
1201
ANNOTATE AND MATCH BROAD RESOURCES
1200
SUPPORT DIVERSE SOURCES, CONDITIONS, AND DELIVERY OPTIONS
1202
PROVIDE EASY MIGRATION PATH
1204
LEVERAGE OPEN STANDARDS
1206

FIG. 12

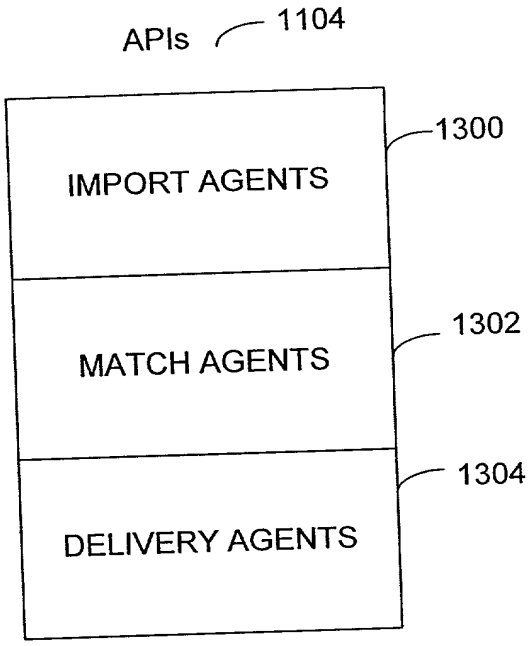
APIs
1104
IMPORT AGENTS
1300
MATCH AGENTS
1302
DELIVERY AGENTS
1304

FIG. 13

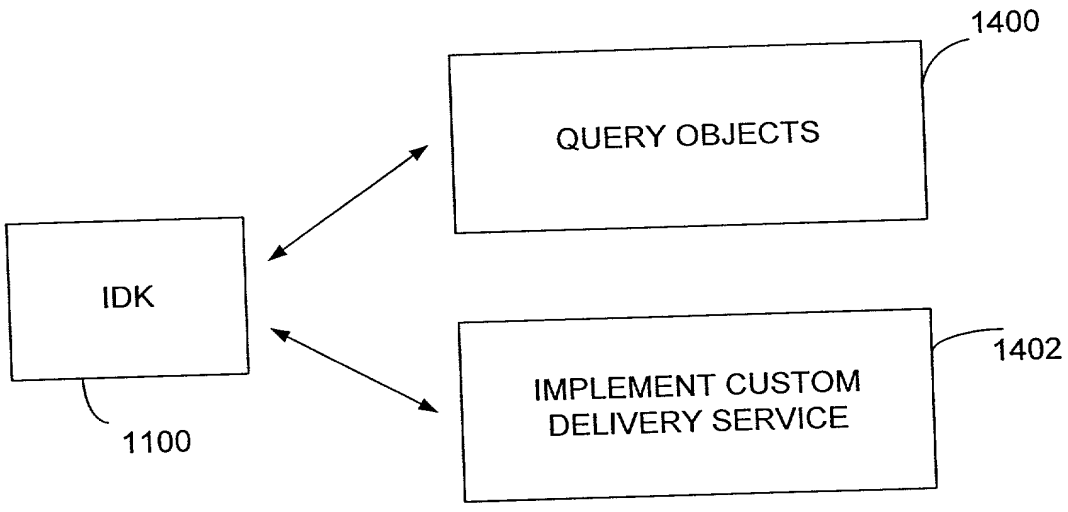
1400
QUERY OBJECTS
IDK
1100
IMPLEMENT CUSTOM
DELIVERY SERVICE
1402

FIG. 14

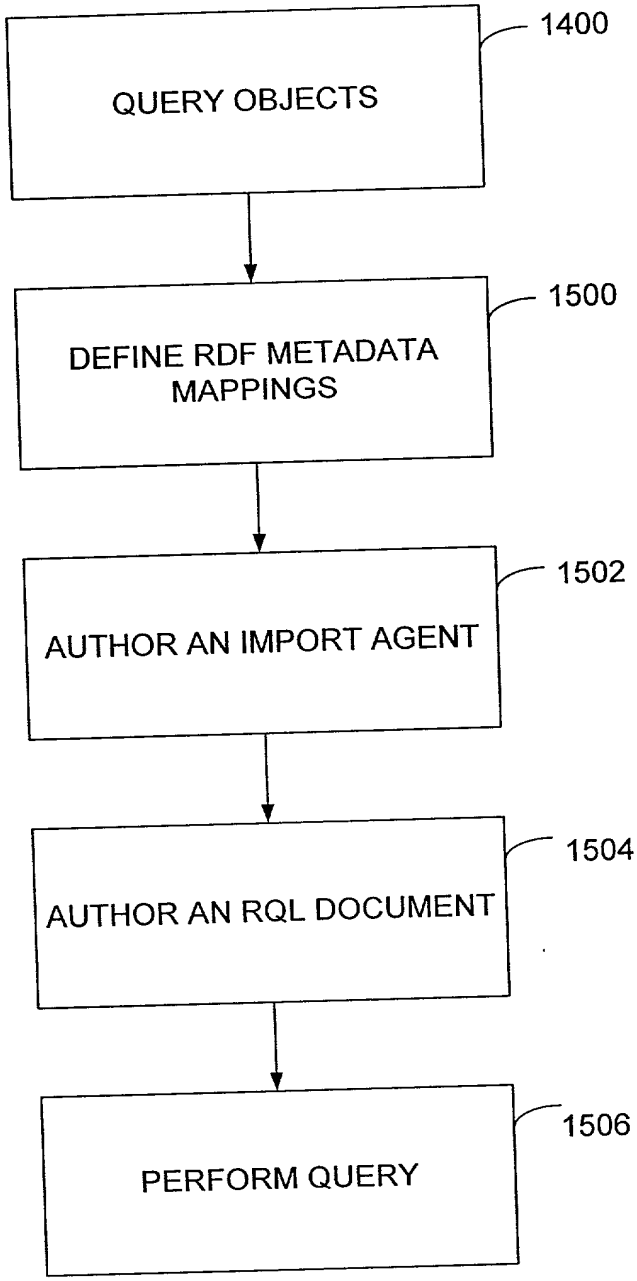
QUERY OBJECTS
1400
DEFINE RDF METADATA MAPPINGS
1500
AUTHOR AN IMPORT AGENT
1502
AUTHOR AN RQL DOCUMENT
1504
PERFORM QUERY
1506

FIG. 15

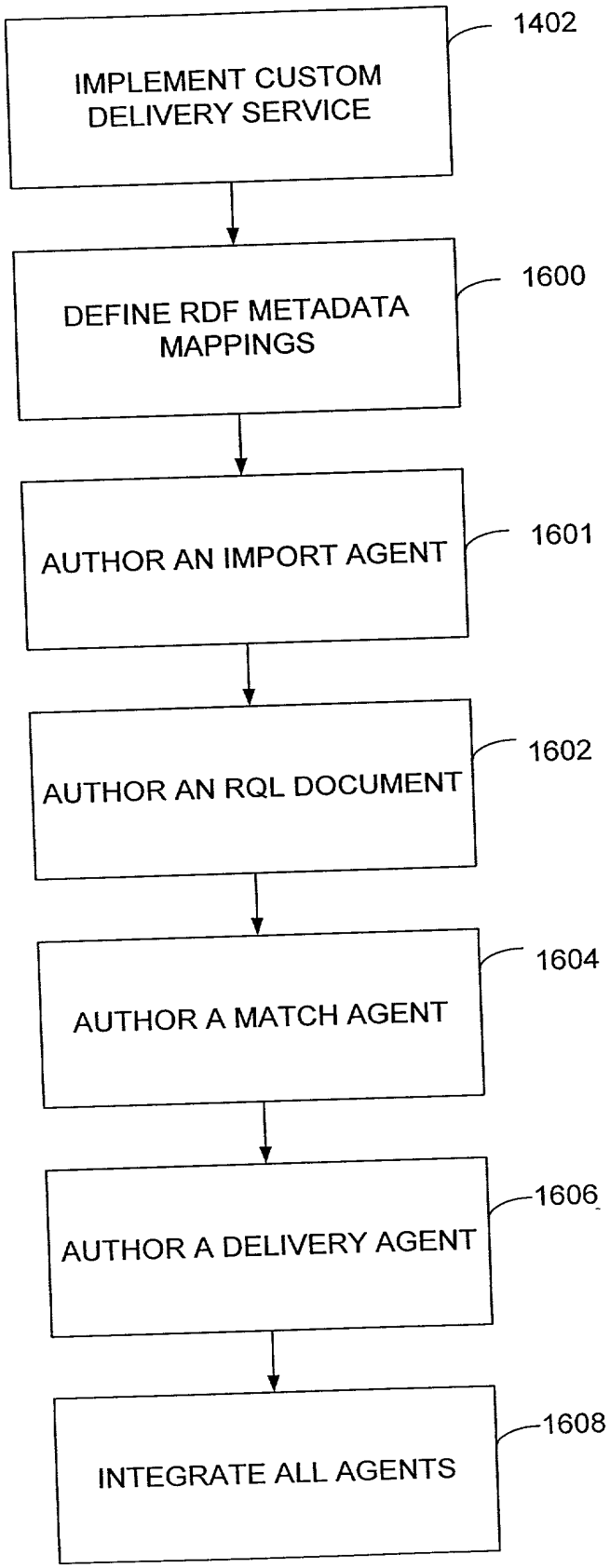
IMPLEMENT CUSTOM DELIVERY SERVICE
1402
DEFINE RDF METADATA MAPPINGS
1600
AUTHOR AN IMPORT AGENT
1601
AUTHOR AN RQL DOCUMENT
1602
AUTHOR A MATCH AGENT
1604
AUTHOR A DELIVERY AGENT
1606
INTEGRATE ALL AGENTS
1608

FIG. 16

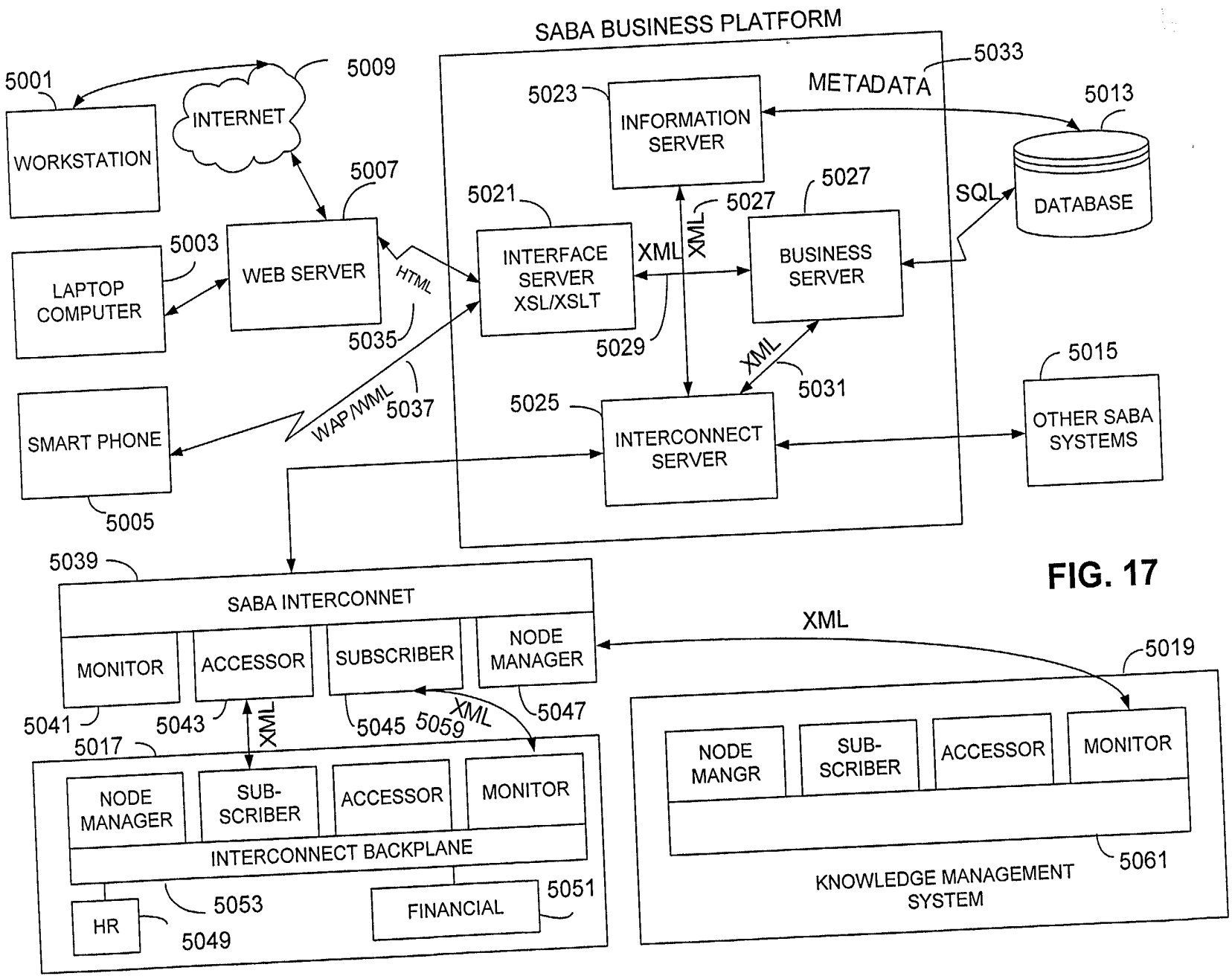
SABA BUSINESS PLATFORM
5001
WORKSTATION
INTERNET
5009
5007
5003
LAPTOP COMPUTER
WEB SERVER
HTML
5035
5023
INFORMATION SERVER
METADATA
5033
5013
DATABASE
SQL
5021
INTERFACE SERVER XSL/XSLT
XML
XML
5027
5027
BUSINESS SERVER
5029
XML
5031
5015
OTHER SABA SYSTEMS
SMART PHONE
WAP/WML
5037
5005
5025
INTERCONNECT SERVER
5039
SABA INTERCONNET
MONITOR
ACCESSOR
SUBSCRIBER
NODE MANAGER
5041
5043
5045
5059
XML
5047
XML
5019
5017
NODE MANAGER
SUB-SCRIBER
ACCESSOR
MONITOR
INTERCONNECT BACKPLANE
5053
HR
5049
FINANCIAL
5051
NODE MANGR
SUB-SCRIBER
ACCESSOR
MONITOR
5061
KNOWLEDGE MANAGEMENT SYSTEM

FIG. 17